9–255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Lake Carmel 7½' quad

Carmel 15' quad
15Y-7.2S-2.1E

RECORD OF WELL

P529 ±

P530 ±
P531

see P528
see P532 for sketch.

Locate well on plat of section.

1. **Location:** State N.Y.S. County Putnam
   Nearest P. O. Mahopac Direction from P. O. NE
   #2 Distance from P. O. 2 miles; ¼ sec. ____, T. ____, R. ____
   #3 #4 If in city, give street and number Town of Carmel
2. **Owner:** Camarco Contractors Inc. Address Carmel, N.Y.
   Driller: " " " Address "
3. **Situation:** Is well on upland, in valley, or on hillside? hillside
4. **Elevation of top of well:** 555 ft. (Above or below) above the level of sea (Sea, depot, lake, or stream)
5. **Type of well:** drilled (Dug, driven, bored, or drilled); kind of drilling rig used st (Solid tool, jetting, rotary, etc.)
6. **Depth of well:** #2 = 97 #3 = 75± #4 = 75±? ft.; year in which well was finished 1936(?)
   Does well enter rock? ±? yes; if so, at what depth? 1½ ft.; kind of rock granite gneiss
7. **Diameter:** At top 6 inches; at bottom 6 inches.
8. **Principal water bed:** ____ (Gravel, sand, clay, or rock. If rock, state kind)
   Depth to principal water bed ____ ft.; thickness of bed ____ ft.
   If other water supplies were found, give depth to each ____
9. **Casings:** Kind steel; size 6"; length 2 ft.; between depths of 0 and 2 ft.
   Kind ____; size ____; length ____ ft.; between depths of ____ and ____ ft.
   Kind ____; size ____; length ____ ft.; between depths of ____ and ____ ft.
   Packers (if any): Depth at which packers were used none; kind —
   Screen or Strainer: Was well finished with screen? no; kind of screen —;
   length of screen — ft.; diameter — inches; size of openings —
10. **Head:** Does well at present overflow without pumping? no; did it overflow when new? no;
    if flowing, give pressure — lb. per sq. inch; or height water will rise in a pipe — ft. above surface;
    original pressure or head —; if not flowing, give water level in well 1 ft. below surface.
11. **Pump:** Is the well pumped? yes; kind of pump Montgomery-Ward Jet Pump (1);
    size or capacity of pump ____; kind of power electric
12. **Yield:** Natural flow at present (if any) ____ gallons per minute; original flow ____ gallons per minute;
    well has been pumped at 1650 GPH gallons per hour continuously for ____ hours (all combined);
    quantity of water ordinarily obtained from well 6,000 gallons per day. summer only from all 3 wells.
13. **Use:** For what purpose is the water used? Quarrying, washing stone & mixing concrete
14. **Quality of the water:** Soft (Hard or soft, fresh or salty, etc.); is there an analysis? ____
15. **Cost of well,** not including pump: ____ Temperature of water ____ ° F.

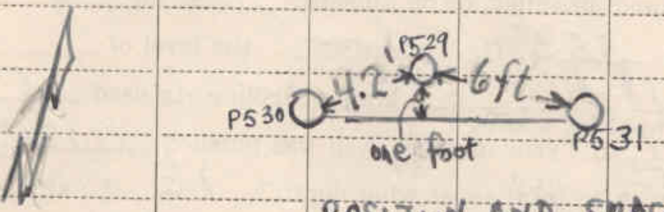
Name of person filling blank H.H. Grossman from Mike Camarco.
Date 7-14-50 Address U.S.G.S. in Albany.

6—9642

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	To—	THICKNESS, IN FEET	REMARKS (Especially information as to water found)



POSITION AND SPACING OF THE THREE WELLS

Wells insufficient. 20,000 gall. per day used in summer and all water <u>over</u> 6,000 gall. per day is bought. 20,000 gal per day hauled in by truck in 1949, after being used, water ran underground & downhill to 529, 530 & 531 and undoubtedly increased their yield.

The three wells were pumped at 1650 GPH with 40 ft. of drawdown in one hour (before the bought water seeped downhill, so <u>no</u> artificial recharge during test). Only about 2,000-3,000 GPD obtained from these 3 wells. These wells overflowed in summer of 1949 even when adjacent reservoir fell.

Deepest hole was 97 ft., after blasting was measured at 120 ft.! A case of dynamite used to blast at bottom of middle hole & all were joined. All water levels rise & fall together.